

ABSTRACT OF THE DISCLOSURE

An image input unit acquires a first image and a second image. A matching processor computes a matching between those
5 images such that corresponding points are obtained on the second image with respect to lattice points of a mesh taken on the first image and generates a corresponding point file based on the matching. The corresponding point file comprises positional information on the corresponding points and
10 difference data on attribute values of the corresponding points. An intermediate image generator generates an intermediate image of the first image and the second image, based on the first image and the corresponding point file. In particular, for an attribute such as color, the color
15 difference data on a pair of corresponding points of the first image and second image are used when interpolating, such that the second image is not needed in the interpolation.